Why Onboarding to a Company's Legacy Codebase Sucks and How to Make it Work for Your Team

Shanea Leven, CodeSee.io





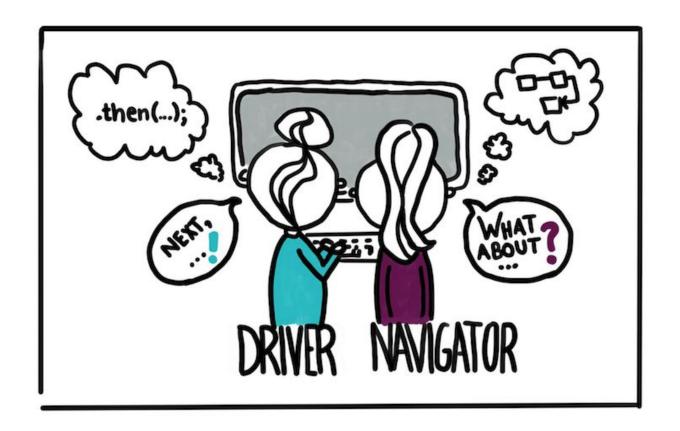
You must learn how the codebase works first before you can modify it.



Today i'm happy Because

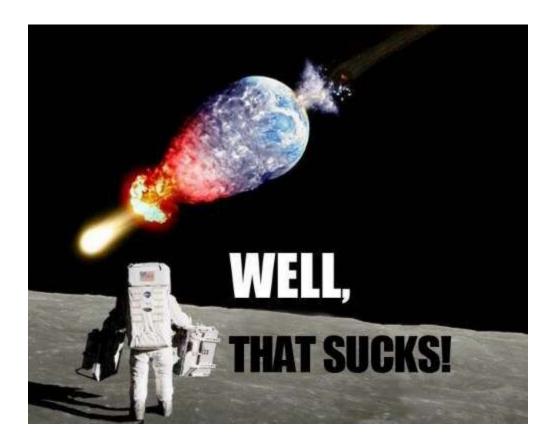
Shh! It's a

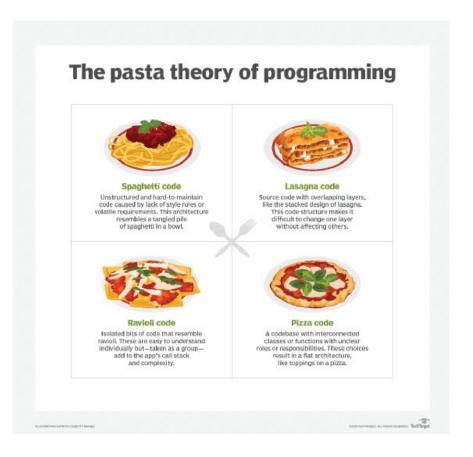
TOP SECRET



The secret is to pair... all of the time.

Shanea





Everyone has their own plate of spaghetti code

3 major parts

Code/System

Working with code/team

Being a human

Code/System

- How the actual code is connected?
- What are the execution paths?
- What functions call other functions?
- What is the high level architecture?
- What are all of the domain objects?



Working with the code/team

- Code review process
- Design patterns
- Testing patterns
- Gotchas in the code
- Deployment procedures



The reality of being human

- Ship code don't write
- Memory retention
- Hard to learn
- Big systems



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Onboarding is continuous

Constant...never ending

New features Systems go down People leave

Restructuring

Refactoring

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GIVES?

3 types of advice

For the team

For the onboardee

Continuous onboarding

Advice for the team

- Start small in scope
- Expand strategically
- Choose tasks that build confidence

Advice for the team

- Bug fixes
- Small tasks the team knows already
- Isolated features
- Tech debt



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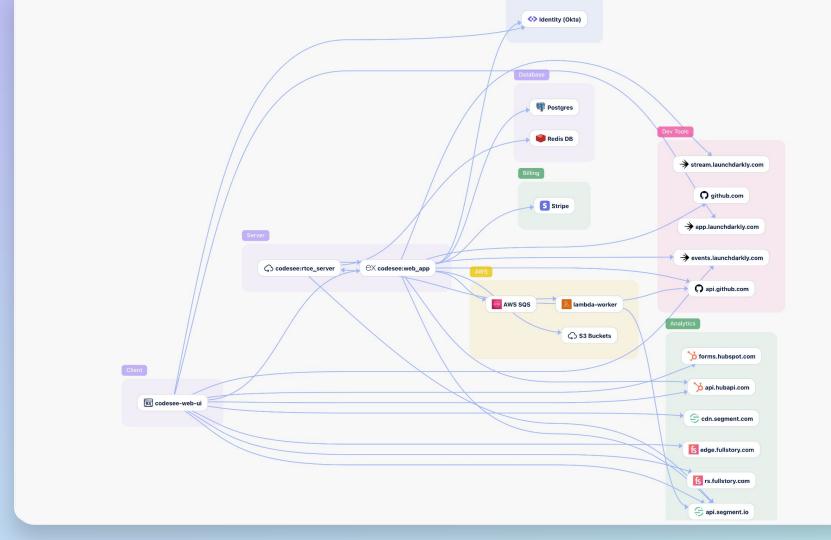
- Domain objects
- User examples
- Key flows
- Architecture

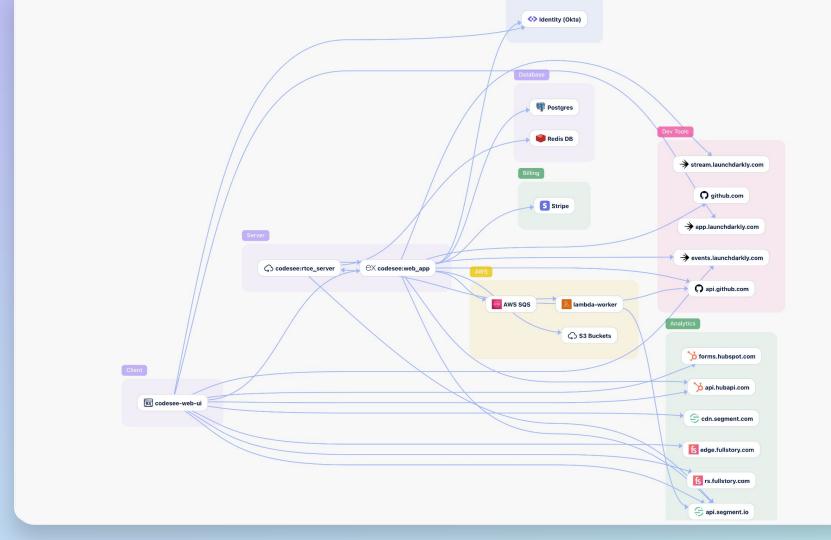
- Frameworks
- Coding Patterns
- Development process
- Tribal Knowledge

Domain objects, User examples, Key flows

Thing to know	Dev tools	Ed Tech	Ecomm
Domain	codebase, dependency, commit, pull request	assignment, activity, lesson, grade	product, shopping cart, shop, price, discount
User	developer, team lead	teacher, student	customer, seller
Key flows	developer creates a new commit, system analyzes the codebase	teacher creates an assignment, student answers a question	customer makes a purchase, seller lists a product

- · Ask!
- Explore the marketing site
- Read the docs
- Write stuff down





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Advice for the team/onboarders

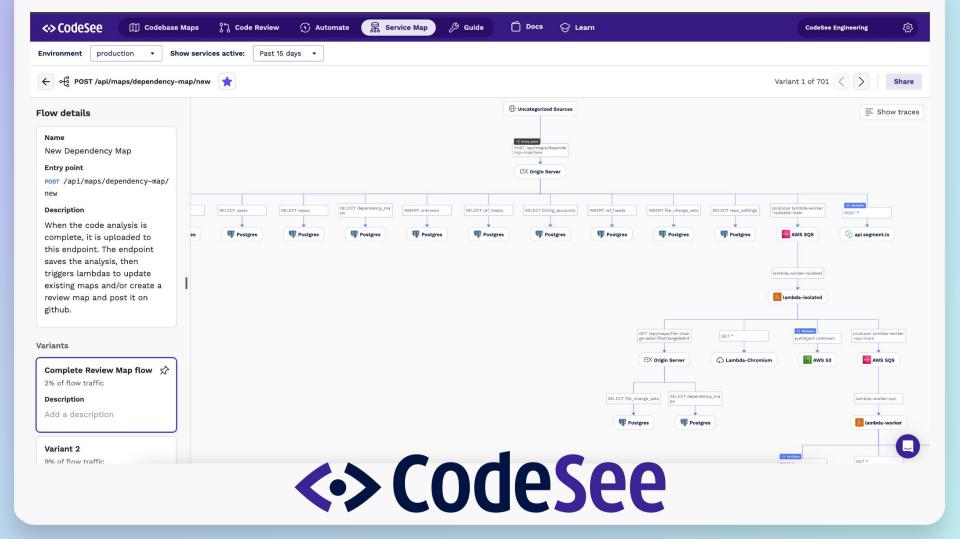
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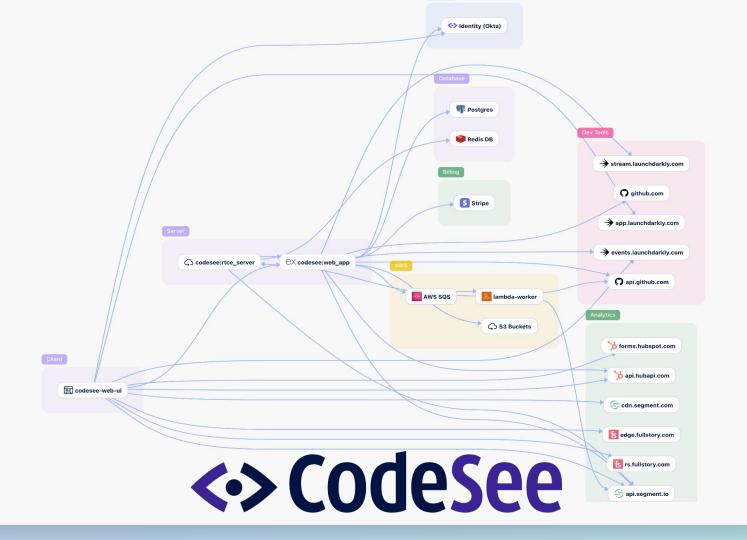
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You need better tools

- Separate tools
- Manual key flows
- Same patterns
- Code Reviews





Thank You!

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